

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-33 (Canceled).

Claim 34 (Currently amended): An air conditioner system comprising:

an upstanding, vertically elongated housing having an air inlet vent, an air outlet vent, and a top surface that includes an opening through which a user liftable handle is viewable and accessible; and;

an ion generation unit positioned in said vertically elongated housing; and

wherein said ion generating unit includes a first ion emitter electrode and a second particle collector electrode,

wherein said second particle collector electrode is removable from [[the]] said vertically elongated housing, ~~using~~ by said user liftable handle, through [[the]] said opening to ~~thereby~~ allow an exposed surface of said second electrode to be cleaned, and is returnable to [[the]] said vertically elongated housing through [[the]] said opening and

wherein said user liftable handle covers said opening when said second particle collector electrode is in [[its]] an operational position within said vertically elongated housing.

Claim 35 (Canceled).

Claim 36 (Previously presented): The system of claim 34 wherein said first electrode is a wire.

Claim 37 (Canceled).

Claim 38 (Previously presented): The system of claim 34 wherein said second collector electrode includes a plurality of elongated fins extending along the elongated housing.

Claim 39 (Previously presented): The system of claim 34 wherein said ion generating unit includes a high voltage pulse generator.

Claim 40 (Currently amended): An air conditioner system comprising:
an upstanding, vertically elongated housing having an air inlet vent, an air outlet vent, and an opening through a top surface of said vertically elongated housing; and
an ion generating unit positioned in said vertically elongated housing;
wherein said ion generating unit includes a first ion emitter electrode that is wire shaped, and a second particle collector electrode that is connected to a user liftable handle;
wherein said user liftable handle is accessible to a user without requiring the user touch any portion of the air conditioner system other than said handle;
wherein said first wire shaped ion emitter electrode is located adjacent to the air inlet vent; and
wherein said second collector electrode is removable from ~~[[the]]~~ said vertically elongated housing, ~~using~~ by said user liftable handle, through said opening in said top surface of said vertically elongated housing to ~~thereby~~ allow an exposed surface of said second electrode to be cleaned, and is returnable to ~~[[the]]~~ said vertically elongated housing through ~~[[the]]~~ said opening in ~~[[the]]~~ said top surface of ~~[[the]]~~ said vertically elongated housing.

Claim 41 (Canceled).

Claim 42 (Previously presented): The system of claim 34 wherein said air inlet vent is covered with horizontal louvers and said air outlet vent is covered with horizontal louvers.

Claim 43 (Previously presented): The system of claim 40 wherein said air inlet vent is covered with horizontal louvers and said air outlet vent is covered with horizontal louvers.

Claim 44 (Previously presented): The system of claim 40 wherein said second collector electrode has a plurality of elongated fins extending along the elongated housing.

Claim 45 (Previously presented): The system of claim 34 wherein said second collector electrode includes a plurality of hollow electrodes.

Claim 46 (Previously presented): The system of claim 34 wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

Claim 47 (Previously presented): The system of claim 40 wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

Claims 48-51 (Canceled).

Claim 52 (Previously presented): The system of claim 34 including a user control, located on said first portion of said top surface.

Claim 53-54 (Canceled).

Claim 55 (Previously presented): The system of claim 40 including a user control, located on said top surface.

Claim 56-58 (Canceled).

Claim 59 (Currently amended): An air conditioner system comprising:
an upstanding, vertically elongated housing having a top including an opening through which a user liftable handle is viewable and accessible; and

an ion generating unit positioned in said vertically elongated housing, said ion generating unit having a first electrode and a second removable electrode, wherein said second removable electrode is removable through said top of said vertically elongated housing and returnable through said top of said vertically elongated housing ~~using by~~ said user liftable handle, ~~without requiring any such that only portion of said housing other than~~ said handle ~~[[be]]~~ is removed or opened.

Claim 60 (Previously presented): The system of claim 59 including a user control located on said top of said housing.

Claim 61 (Previously presented): The system of claim 59 including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

Claim 62 (Previously presented): The system of 59 wherein said user-liftable handle is attached to the second removable electrode.

Claim 63 (Previously presented): The system of claim 59 wherein said second removable electrode is elongated along a direction of said elongated housing.

Claim 64 (Previously presented): The system of claim 59 wherein said second removable electrode is elongated and about the same length as said elongated housing.

Claim 65 (Previously presented): The system of claim 59 wherein said second removable electrode is at least partially removable from the top of said housing for cleaning.

Claim 66 (Currently amended): An air conditioner system comprising:
an upstanding, vertically elongated housing having a top surface including a first portion and a user liftable handle, wherein said first portion includes an opening; and
an ion generating unit positioned in said vertically elongated housing, said ion generating unit having a first electrode and a second removable electrode, wherein said second removable electrode is vertically removable from said vertically elongated housing, through said opening, for cleaning, and wherein said second electrode is returnable to said housing through said opening; and

wherein said user liftable handle covers said opening when said second removable electrode is in [[its]] an operational position within said vertically elongated housing.

Claim 67 (Previously presented): The system of claim 66 including a user control located adjacent to said opening in said first portion of said top surface where said second removable electrode is removable from said housing.

Claim 68 (Previously presented): The system of claim 66 including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

Claim 69 (Canceled).

Claim 70 (Previously presented): The system of claim 66 wherein said second removable electrode is elongated along a direction of said elongated housing.

Claim 71 (Previously presented): The system of claim 66 wherein said second removable electrode is elongated and about the same length as said elongated housing.

Claim 72 (Previously presented): The system of claim 66 wherein said second removable electrode is at least partially removable from said housing for cleaning.

Claim 73 (Canceled).

Claim 74 (Previously presented): The system of claim 34 wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

Claim 75 (Previously presented): The system of claim 40 wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

Claim 76 (Canceled).

Claim 77 (Previously presented): The system of claim 42 wherein said housing includes an air inlet vent and an air outlet vent and wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

Claim 78 (Canceled).

Claim 79 (Previously presented): The system of claim 34 wherein said air inlet vent and said air outlet vent have horizontal louvers.

Claim 80 (Previously presented): The system of claim 40 wherein said air inlet vent and said air outlet vent have horizontal louvers.

Claim 81 (Previously presented): The system of claim 59 wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

Claim 82 (Previously presented): The system of claim 66 wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

Claim 83-87 (Canceled).

Claim 88 (Currently amended): An air conditioner system comprising:
an upstanding, vertically elongated housing with a top and an air inlet vent and an air outlet vent;

said air inlet vent is elongated along a direction of elongation of said vertically elongated housing;

said air outlet vent is elongated along the direction of elongation of said vertically elongated housing;

an ion generation unit positioned in said vertically elongated housing, said ion generating unit having a first emitter electrode and a second removable collector electrode;

said second removable collector electrode is elongated along the direction of elongation of said vertically elongated housing and is removable through an opening in the top of said vertically elongated housing, said second removable collector electrode further returnable through the opening in the top of said vertically elongated housing;

a user-liftable handle secured to an upper portion of [[the]] said second removable collector electrode, said user-liftable handle accessible near said opening in [[the]] said top of said vertically elongated housing to ~~provide a user with a way to lift~~ allow said second removable collector electrode to be lifted from said vertically elongated housing without directly touching said second removable collector electrode and without touching any other portion of [[the]] said air conditioner system other than said user-liftable handle; and

a user operated control located on [[the]] said top of said vertically elongated housing.

Claim 89 (Previously presented): The system of claim 88 wherein said air inlet vent has a plurality of louvers that are directed across the direction of elongation of said housing; and

said air outlet vent has a plurality of louvers that are directed across the direction of elongation of said housing.

Claim 90 (Previously presented): The system of claim 88 wherein said second removable collector electrode is hollow.

Claim 91 (Previously presented): The system of claim 88 wherein said second removable collector electrode is U-shaped.

Claim 92 (Previously presented): The system of claim 88 wherein said second removable collector electrode is located adjacent to the air outlet vent.

Claim 93 (Previously presented): The system of claim 88 including a trailing electrode located between said second removable collector electrode and said air outlet vent.

Claim 94-118 (Canceled).

Claim 119 (Currently amended): An air conditioner system comprising:
an upstanding, vertically elongated housing having an air inlet vent, an air outlet vent,
and a top surface including an opening; and
an ion generation unit positioned in said vertically elongated housing;
wherein said ion generating unit includes a first ion emitter electrode and a removable
second particle collector electrode that is connected to a user liftable handle;
wherein said user liftable handle extends through said opening in said top surface of said
vertically elongated housing such that said user liftable handle ~~[[it]]~~ is viewable and accessible ~~to~~
~~a user~~ when said second particle collector electrode is in ~~[[its]]~~ an operational position within
said vertically elongated housing; and
wherein said second particle collector electrode is revealed when said user liftable handle
is lifted from said vertically elongated housing ~~by a user~~, thereby enabling said second particle
collector electrode to be cleaned.